



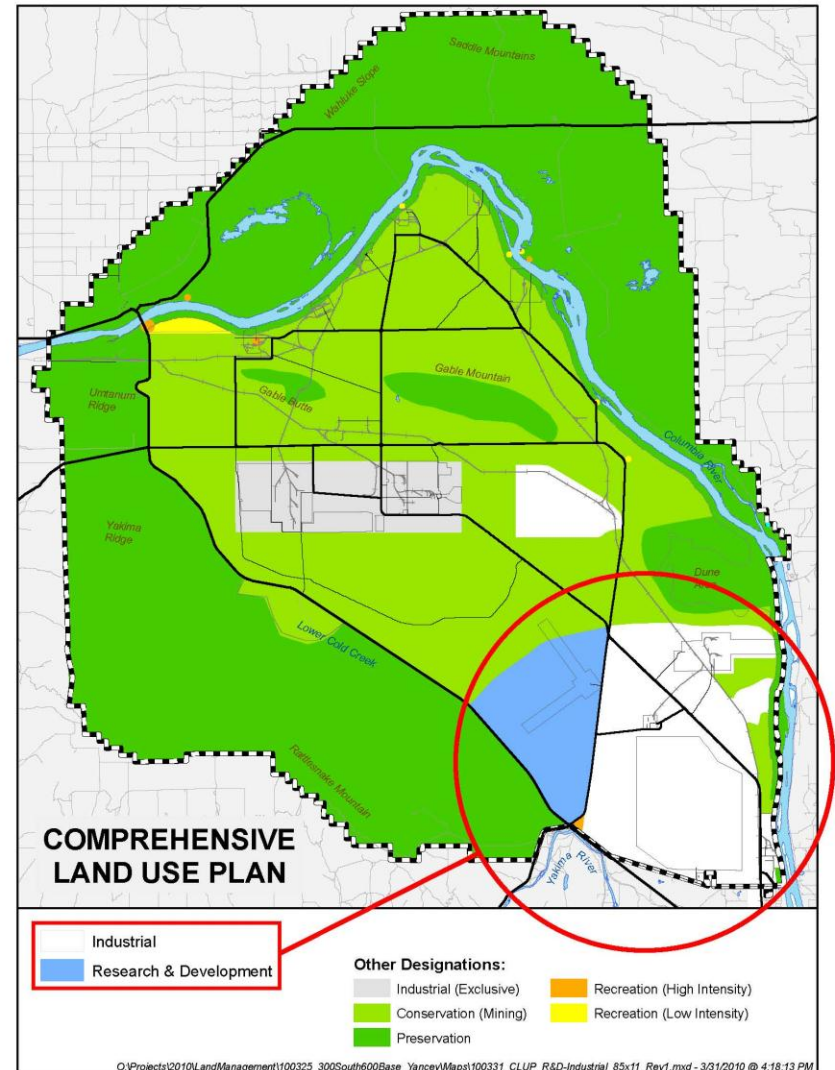
RL Energy Park Briefing for River and Plateau Committee

Purpose of Briefing

- To discuss Energy Parks and making land available for energy use following clean-up.

Background

- September 1999
 - Hanford Comprehensive Land Use Plan (CLUP) Environmental Impact Statement Record of Decision (DOE/EIS-022-F) was issued
 - Land-use for Research and Development (19-sq miles)
 - Land use for Industrial (50 sq. miles)



Background Continued

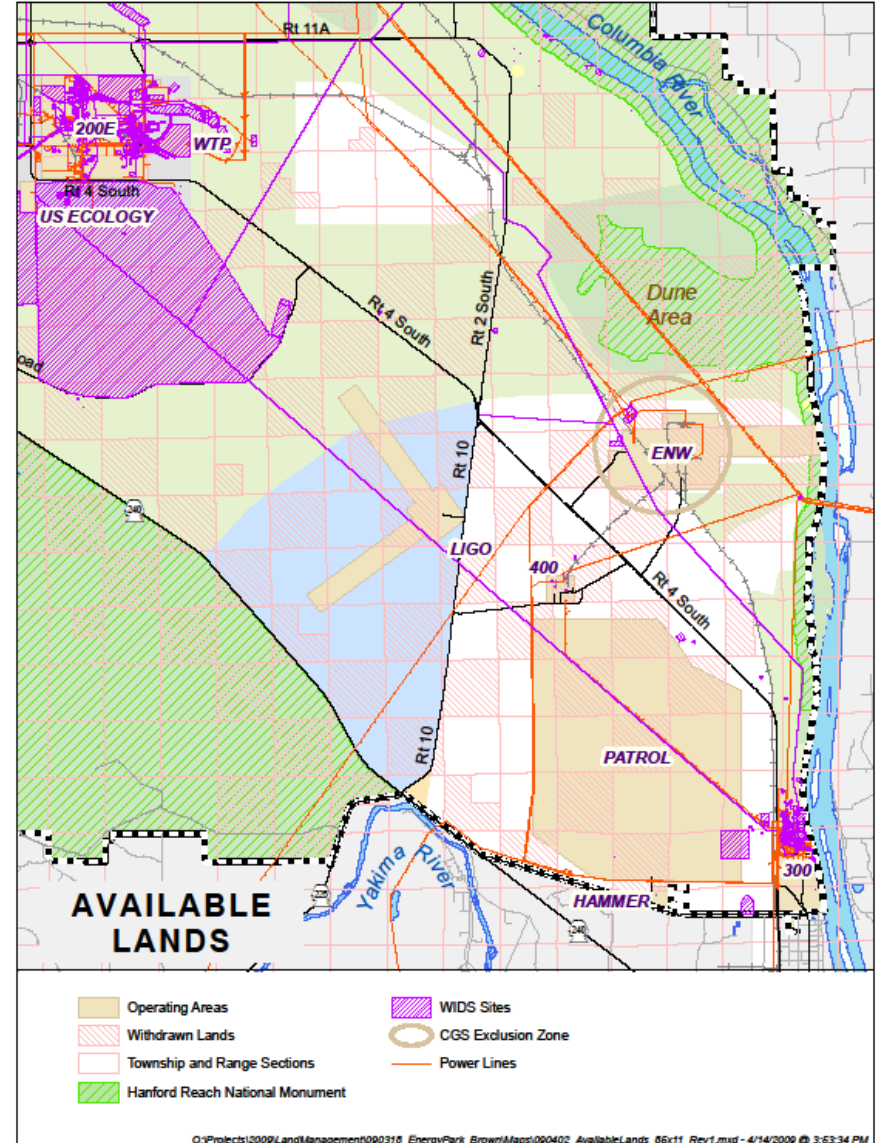
- Fiscal Year 2009
 - EM Advisory Board tasked to assess EM strategic planning and specifically provide recommendations on Energy Parks.
- February 2010
 - Request from Energy Northwest to lease land for a proposed use of Energy Park land. This request is supported by the Mid-Columbia Energy Initiative.
- July 2010
 - Hanford Site Cleanup Completion Framework (DOE/RL-2009-10, Rev 0), Appendix B, B-1 to B-4 discusses the Hanford Site Energy Park Initiative
- April & August 2010
 - Hanford Site Manager meets with tribes to discuss Energy Parks

DOE's Role

- Establish geographic boundaries consistent with the CLUP that define the Energy Park.
- Establish consistent/fair process to provide land for leasing.
- Leases will be compliant with all applicable laws, regulations, and obligations.
- Have an open dialogue with parties that are interested in leasing land for energy use.

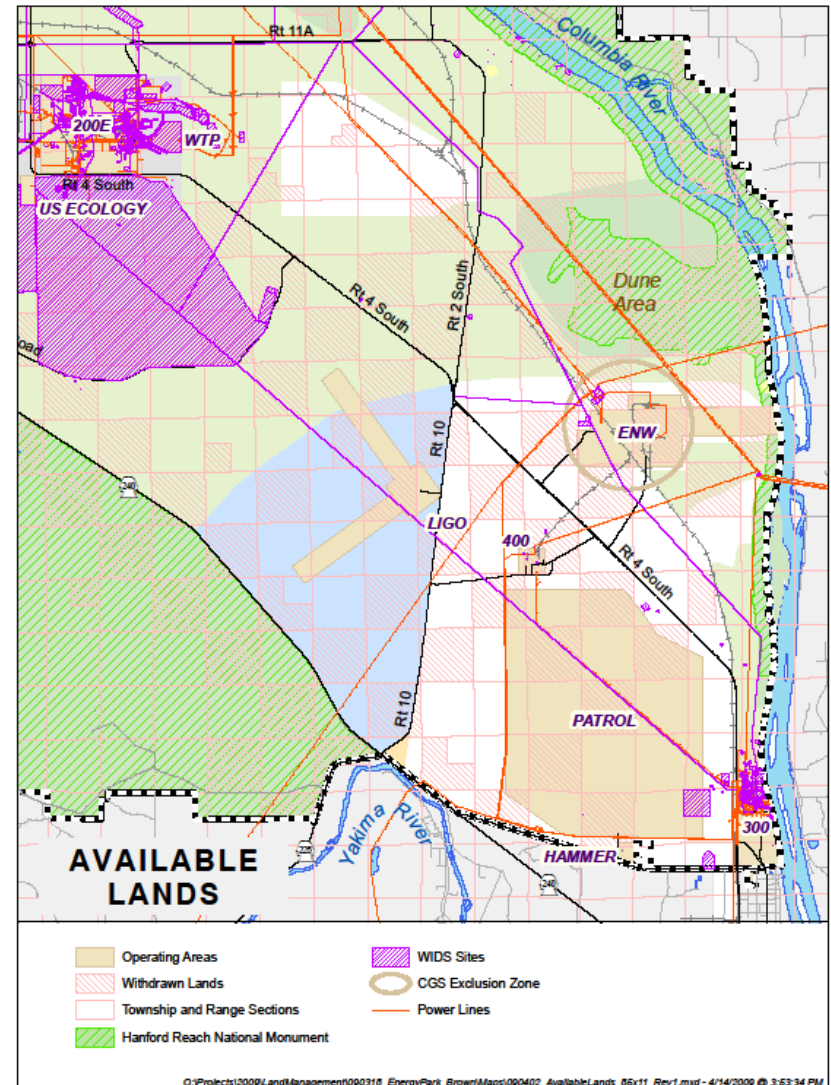
Interfaces/Constraints

- Land Use Interfaces
 - LIGO (vibration)
 - Energy Northwest
 - US Fish and Wildlife Service (Hanford Reach National Monument)
- Constraints
 - Waste Sites (618-10/11)
 - 200 Area Operations (Safety Zone)
 - Location of Infrastructure and utilities



Freeing the Property Up for Energy Use

- Free-up use of public lands – Interagency Agreement with US Bureau of Land Management.
- Reconfigure and potentially relocate Patrol Firing Ranges.
- Lease
 - “Raw” land lease – cultural, biological, and National Environmental Policy Act (NEPA) reviews and documentation required prior to allowing a specific project start-up
- HQ Environmental Management (EM) providing funding across the complex to provide support to the Energy Park Initiative activities at Richland and other sites.



Next Steps

- Fall 2010
 - Conduct Community/Stakeholder Forum to obtain input regarding Energy Parks on the Hanford Site.
- Now through December 2010
 - Consider input received from the Forum in determining whether to move forward with EN lease request.
 - Consider input received in working to define the boundaries/location of the Energy Northwest lease agreement (~ 300 acres) for the use of Hanford land for energy related projects.

Background

Natural Gas Pipeline

- Purpose - To provide Natural Gas service to the Waste Treatment Plant (current specification is diesel), specifically for the 200 Area Boilers (six boilers in the steam plant and three boilers in the evaporator).

History

- Late Winter 2009
 - Emphasis on Renewable energy for RL and ORP facilitated further analyze on possibility of utilizing natural gas for the Waste Treatment Plant (WTP) to fuel evaporator boilers
- April 2010
 - DOE RL request the DOE HQ Federal Energy Management Program (FEMP) to commission its subcontractor to compete an feasibility analysis
- July 2010
 - Natural Gas Options Study received that substantiates RL's initial calculations for cost avoidance (see next slide)

Facts – Cost Avoidance and Pollution Prevention

- Natural Gas Options Study
 - Life-Cycle Cost Avoidance of \$800 million
 - Greenhouse Gas Reduction of One Million Tons

Next Steps

- August 2010
 - Finalized Natural Gas Options Study
- Fall 2010
 - Release Request for Proposal for Natural Gas Pipeline